| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| S4 | 156 | (370/395.5).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/05 12:51 |
| S5 | 185 | (370/395.6).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/05 12:51 |
| S13 | 172 | AAL2 SAME IP | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/05 12:34 |
| S15 | 23 | S13 AND S1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/05 10:52 |
| S16 | 3 | S13 AND S2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/05 10:53 |
| S17 | 14 | S13 AND S3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/05 11:14 |
| S18 | 210 | S12 AND S3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/05 12:51 |
| S20 | 68 | S18 AND S19 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/05 11:05 |
| S21 | 1 | S13 AND S4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/05 11:14 |
| S22 | 224 | (370/395.52).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/05 12:51 |

| S23 | 2 | S22 AND S13 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/05 11:17 |
|---|---|---|---|---|---|---|
| S24 | 6 | S5 AND S13 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/05 11:18 |
| S25 | 11 | S5 AND S10 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/05 11:22 |
| S26 | 41 | S5 AND S12 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/05 12:51 |
| S27 | 36 | S26 NOT S25 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/05 11:29 |
| S28 | 10 | S6 AND S13 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/05 11:31 |
| S29 | 8 | S7 AND S13 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/05 11:32 |
| S30 | 6 | S29 NOT S28 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/05 11:33 |
| S31 | 249 | S7 AND S12 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/05 12:51 |
| S32 | 237 | S31 NOT S26 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/05 11:38 |

| S33 | 240 | S31 NOT S20 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/05 12:51 |
|---|---|---|---|---|---|---|
| S34 | 73 | S32 AND S19 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/05 11:38 |
| S35 | 1 | ("6728261").URPN. | USPAT | OR | ON | 2004/11/05 11:46 |
| S36 | 7 | ("5537408" \| "5751951" \| "5867509" \| "6028861" \| "6295532" \| "6317433" \| "6414939").PN. OR ("6711176").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2004/11/05 11:47 |
| S37 | 2 | "5623605".PN. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/05 11:49 |
| S38 | 111 | ("5329527" \| "5425029" \| "5440551" \| "5450399" \| "5452296" \| "5526351" \| "5530842").PN. OR ("5623605").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2004/11/05 12:19 |
| S39 | 81 | "COMMON PART SUBLAYER" | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2004/11/05 12:51 |
| S40 | 8 | S13 AND S39 | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2004/11/05 12:22 |
| S41 | 1 | ("2002/0146013").URPN. | USPAT | OR | ON | 2004/11/05 12:22 |
| S42 | 0 | "AAL2 Transmitter For Voice-Packed and Signaling Management-Packed Interleaving On An ATM Connection".TI. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2004/11/05 12:24 |
| S44 | 42 | S12 AND S43 | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2004/11/05 12:26 |
| S45 | 1 | S13 AND S43 | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2004/11/05 12:26 |
| S46 | 11 | ("20020078151" \| "5774668" \| "6041054" \| "6266343" \| "6330239" \| "6366961" \| "6385195" \| "6396840" \| "6430394" \| "6522667" \| "6650619").PN. OR ("6801542").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2004/11/05 12:28 |

| S47 | 2850 | (370/352).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/05 12:54 |
|---|---|---|---|---|---|---|
| S48 | 390 | (370/356).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/05 12:54 |
| S49 | 2227 | (370/389).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/05 12:55 |
| S50 | 808 | (370/395.1).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/05 12:55 |
| S51 | 156 | (370/395.5).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/05 12:55 |
| S52 | 185 | (370/395.6).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/05 12:55 |
| S53 | 1539 | (370/465).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/05 12:55 |
| S54 | 1352 | (370/466).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/05 12:56 |
| S55 | 343 | (370/467).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/05 13:01 |
| S56 | 400 | MINI ADJ (CELL OR PACKET) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/05 13:02 |

| S57 | 1299 | ENCAPSULATES WITH IP | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/05 13:03 |
|---|---|---|---|---|---|---|
| S58 | 44117 | "BIT RATE" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/05 13:05 |
| S59 | 785 | AAL2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/05 13:15 |
| S60 | 220 | S58 AND S59 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/05 13:10 |
| S63 | 11 | S59 AND S57 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/05 13:10 |
| S64 | 10797 | "CELLULAR NETWORK" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/05 13:15 |
| S65 | 39 | S59 AND S64 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/05 13:15 |
| S69 | 102 | S57 AND S47 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/05 14:30 |
| S70 | 54 | S59 AND S47 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/05 14:33 |
| S71 | 12 | S59 AND S48 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/05 14:34 |

| | | | | | | |
|---|---|---|---|---|---|---|
| S72 | 290 | "REAL TIME VARIABLE BIT RATE" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/05 14:34 |
| S73 | 24 | S59 AND S72 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/05 14:34 |
| S74 | 21 | ("5619499" \| "5742765" \| "5870394").PN. OR ("6108336"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/05 14:41 |
| S75 | 236 | ATM same IP same hub | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/01 16:42 |
| S76 | 2 | AAL2 same IP same hub | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/01 16:40 |
| S77 | 10 | AAL$3 same IP same hub | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/01 16:40 |
| S78 | 30 | ATM near IP same hub | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/01 16:44 |
| S79 | 3 | ATM near Internet same hub | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/01 16:44 |
| S80 | 122 | ATM near (Internet or IP or ethernet) same hub | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/01 16:44 |
| S81 | 122 | (ATM near (Internet or IP or ethernet)) same hub | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/01 16:49 |

| | | | | | | |
|---|---|---|---|---|---|---|
| S82 | 7 | IPoATM | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/01 16:50 |
| S83 | 406 | "IPoATM" or "IP over ATM" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/01 16:54 |
| S84 | 81373 | "370"/$$$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 16:08 |
| S85 | 278 | S83 and S84 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/01 16:51 |
| S86 | 27 | S85 and (hub) and (switch) and (terminal) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/01 16:51 |
| S87 | 10 | "ATM over IP" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/01 17:00 |
| S88 | 2 | "5420858".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/01 17:00 |
| S89 | 169 | ("4766591" \| "5050166" \| "5067123" \| "5101404" \| "5140585" \| "5163045" \| "5237569").PN. OR ("5420858").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/01 17:56 |
| S90 | 1 | "5623605".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/01 18:26 |
| S91 | 116 | ("5329527" \| "5425029" \| "5440551" \| "5450399" \| "5452296" \| "5526351" \| "5530842").PN. OR ("5623605").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/01 17:57 |
| S92 | 14 | ("5383181" \| "5583862" \| "5623605" \| "5673263" \| "5687168" \| "5715250" \| "5724358" \| "5764645" \| "5903559" \| "5963555" \| "6009097").PN. OR ("6147999"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/01 18:06 |

| | | | | | | |
|---|---|---|---|---|---|---|
| S93 | 13 | ("5623605" \| "5802050" \| "5812552" \| "6147999" \| "6188689" \| "6222839" \| "6381244" \| "6385193").PN. OR ("6522667"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/01 18:07 |
| S94 | 0 | "806594".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/01 18:26 |
| S95 | 5 | "806594" | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/01 18:33 |
| S96 | 1 | "6108336".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/01 18:34 |
| S97 | 1 | "6272128".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/01 18:34 |
| S98 | 1 | "6195714".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/01 18:35 |
| S99 | 2 | "5848067".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/02 10:51 |
| S100 | 16 | ("5343462" \| "5541926" \| "5742600").PN. OR ("5848067"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/02 10:51 |
| S101 | 7 | ("5742600" \| "5848067" \| "6061820" \| "6134245" \| "6157614" \| "6442163" \| "6667978").PN. OR ("6873621").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/02 10:54 |
| S102 | 9 | ("5418571" \| "5426643" \| "5481536" \| "5608733" \| "5805588" \| "6208618").PN. OR ("6442163"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/02 10:57 |
| S103 | 10 | ("5410355" \| "5452006" \| "5638367" \| "5777992" \| "5850258" \| "5893066" \| "5963596" \| "6233253" \| "6310652" \| "6442163").PN. OR ("6868091"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/02 10:58 |
| S104 | 2 | "5742600".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 12:26 |

| | | | | | | |
|---|---|---|---|---|---|---|
| S105 | 2 | "6404765".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 13:23 |
| S106 | 230 | (virtual$4 adj concatenat$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 13:25 |
| S107 | 169 | (virtual$4 adj concatenat$4) and (frame or cell) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 13:28 |
| S108 | 5 | (virtual$4 adj concatenat$4) and (abnormal) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 14:54 |
| S109 | 63 | IP near hub | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 14:54 |
| S110 | 18 | (IP near hub) and ATM | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 14:56 |
| S111 | 587 | (IP same hub) and ATM | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 14:57 |
| S112 | 237 | (IP same hub) same ATM | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 14:57 |
| S113 | 3 | (IP same hub) same ATM same encapsulation | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 14:57 |
| S114 | 18 | (IP same hub) same encapsulation | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 14:59 |

| S11 5 | 2 | "6574223".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 15:00 |
|---|---|---|---|---|---|---|
| S11 6 | 2 | "6556573".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 15:01 |
| S11 7 | 2 | "6266343".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 15:01 |
| S11 8 | 2 | "5570362".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 15:02 |
| S11 9 | 2 | "6519261".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 15:04 |
| S12 0 | 10 | ("5699369" \| "6061820" \| "6084880" \| "6219339" \| "6243382").PN. OR ("6519261"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 15:03 |
| S12 1 | 2 | "6434151".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 15:04 |
| S12 2 | 2 | "6434154".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 15:08 |
| S12 3 | 14 | ("4999835" \| "5543951" \| "5774469" \| "5809023" \| "5822321" \| "6005871" \| "6041054" \| "6195353" \| "6289016" \| "6320869" \| "6331981").PN. OR ("6434154"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 15:06 |
| S12 4 | 2 | "6590909".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 15:09 |

| S12 5 | 8 | ("4763321" \| "5774469" \| "5802050" \| "5802051" \| "5809023").PN. OR ("6590909"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 15:10 |
|---|---|---|---|---|---|---|
| S12 6 | 1 | "6195714".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 15:10 |
| S12 7 | 26 | ("4730311" \| "5463621" \| "5568475" \| "5627836" \| "5812786" \| "5864539" \| "5903559" \| "5956337" \| "6009097").PN. OR ("6195714").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 15:10 |
| S12 8 | 13 | ("4592048" \| "5014262" \| "5014266" \| "5568475" \| "5848053" \| "5898689" \| "5930348" \| "5940491" \| "5953338" \| "6137875" \| "6141342" \| "6169735" \| "6195714").PN. OR ("6388991"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 15:12 |
| S12 9 | 1 | "6272128".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 15:12 |
| S13 0 | 16 | ("5805588" \| "5889773" \| "5933607" \| "5970067" \| "6005865" \| "6018525" \| "6178184" \| "6195346").PN. OR ("6272128"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 15:14 |
| S13 1 | 10 | ("5274635" \| "5486864" \| "5844891" \| "5931916" \| "5987030" \| "6104702" \| "6272128" \| "6459708" \| "6782007" \| "RE36633").PN. OR ("6898213"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 15:15 |
| S13 2 | 17 | ("5477538" \| "5719863" \| "6172977" \| "6272128" \| "6324179").PN. OR ("6404782"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 15:23 |
| S13 3 | 1 | "6252870".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 15:24 |
| S13 4 | 10 | ("5463621" \| "5490141" \| "5982783" \| "5991301" \| "6002689" \| "6021136" \| "6023474" \| "6081525").PN. OR ("6252870"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 15:23 |
| S13 5 | 1 | "6160817".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 15:24 |

| | | | | | | |
|---|---|---|---|---|---|---|
| S13 6 | 7 | ("5345446" \| "5440554" \| "5521924" \| "5802045" \| "5825780" \| "5848070").PN. OR ("6160817"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 15:24 |
| S13 7 | 157 | ("5093827" \| "5189410" \| "5204882" \| "5214639" \| "5233606").PN. OR ("5345446"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 15:25 |
| S13 8 | 19 | ("5293570" \| "5327421" \| "5345445" \| "5345446" \| "5365524" \| "5390175" \| "5396492" \| "5422882" \| "5426636" \| "5428607" \| "5452297" \| "5568475" \| "5751706" \| "5784371" \| "5809022").PN. OR ("6128301"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 15:30 |
| S13 9 | 1 | "6021134".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 15:31 |
| S14 0 | 8 | ("5170394" \| "5754553" \| "5757775" \| "5790544").PN. OR ("6021134").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 15:33 |
| S14 1 | 1 | "6108336".pn. | US-PGPUB; USPAT; USQCR | OR | ON | 2005/07/05 15:33 |
| S14 2 | 1 | "5050166".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 15:34 |
| S14 3 | 113 | ("3988545" \| "4168469" \| "4225919" \| "4354252" \| "4369443" \| "4379946" \| "4410889" \| "4517669" \| "4570257").PN. OR ("5050166").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 15:36 |
| S14 4 | 1 | "6041054".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 15:36 |
| S14 5 | 1 | "6229821".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 15:36 |
| S14 6 | 15 | ("4935925" \| "4941089" \| "5444709" \| "5488610" \| "5519640" \| "5535221" \| "5774469" \| "5802050" \| "5987034").PN. OR ("6229821").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 15:39 |
| S14 7 | 1 | "6466578".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 15:39 |
| S14 8 | 1 | "6330239".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 15:39 |

| | | | | | | |
|---|---|---|---|---|---|---|
| S14 9 | 12 | ("5490141" \| "5748626" \| "6137798").PN. OR ("6330239"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 15:40 |
| S15 0 | 14 | ("5383181" \| "5583862" \| "5623605" \| "5673263" \| "5687168" \| "5715250" \| "5724358" \| "5764645" \| "5903559" \| "5963555" \| "6009097").PN. OR ("6147999"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 15:43 |
| S15 1 | 120158 | hub and interface and packet network and exchange | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 15:43 |
| S15 2 | 0 | hub same interface same "packet network" same exchange | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 15:43 |
| S15 3 | 45 | hub same interface same "packet network" and exchange | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 15:49 |
| S15 4 | 1 | "6404765".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 15:50 |
| S15 5 | 12 | ("5452297" \| "5809022" \| "6125117" \| "6219348" \| "6226264").PN. OR ("6404765"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 15:50 |
| S15 6 | 28 | ("5541917" \| "5592477" \| "5623491" \| "5703876" \| "5710769" \| "5717691" \| "5724355" \| "5784371" \| "5802045" \| "5809022" \| "5867571" \| "5991301" \| "6002689").PN. OR ("6125117"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 16:02 |
| S15 7 | 0 | (IP$1 adj hub) and encapsulation | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 16:05 |
| S15 8 | 0 | (IP adj hub) and encapsulation | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 16:55 |
| S15 9 | 1 | (IP near hub) and encapsulation | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 16:04 |
| S16 0 | 0 | (IP near hub) and substructural | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 16:04 |
| S16 1 | 0 | (IP same hub) and substructural | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 16:04 |
| S16 2 | 0 | (packet same hub) and substructural | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 16:05 |

| | | | | | | |
|---|---|---|---|---|---|---|
| S16 3 | 0 | (ATM same hub) and substructural | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 16:05 |
| S16 4 | 0 | (IP$1 adj hub) and encapsulation | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 16:05 |
| S16 5 | 10 | (packet adj hub) and encapsulation | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 16:07 |
| S16 6 | 306 | (ATM) same encapsulation same IP | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 16:08 |
| S16 7 | 81441 | "370"/$$$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON. | 2005/07/05 16:08 |
| S16 8 | 217 | S167 and S166 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 16:20 |
| S16 9 | 3 | (ATM) same encapsulation same IP same hub | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 16:08 |
| S17 0 | 146 | (ATM) same (encapsulation or insert$3) same IP same (concentrator or switch or hub) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 16:19 |
| S17 1 | 76 | S167 and S170 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 16:09 |
| S17 2 | 11 | ("5715250" \| "6002668" \| "6014382" \| "6108304").PN. OR ("6377574").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 16:13 |

| | | | | | | |
|---|---|---|---|---|---|---|
| S17 3 | 9 | ("5715250" \| "5812552" \| "5912891" \| "6016319" \| "6101542" \| "6169739" \| "6189041").PN. OR ("6389021").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 16:15 |
| S17 4 | 45 | ("5361256" \| "5394402" \| "5600644" \| "5633869").PN. OR ("5812552").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 16:16 |
| S17 5 | 165 | (ATM) same (encapsulation or insert$3) same IP same (concentrator or switch or hub or bridge) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 16:19 |
| S17 6 | 85 | S167 and S175 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 16:24 |
| S17 7 | 2 | IP-hub | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 16:25 |
| S17 8 | 2 | IP$1hub | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 16:25 |
| S17 9 | 33 | IP adj hub | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 16:28 |
| S18 0 | 2185 | IP adj (hub or bridge or switch or port) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 16:28 |
| S18 1 | 265 | IP adj (hub or bridge or switch or port) same atm | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 16:29 |
| S18 2 | 59 | IP adj (hub or bridge or switch or port) same atm and encapsulate | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 16:40 |

| | | | | | | |
|---|---|---|---|---|---|---|
| S18 3 | 10 | "ATM over IP" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 16:31 |
| S18 4 | 1 | ("6728261").URPN. | USPAT | OR | ON | 2005/07/05 16:32 |
| S18 5 | 12 | ("5548646" \| "5623605" \| "5715250" \| "5903559" \| "5936936" \| "5936965" \| "5946313" \| "6459708" \| "6519261" \| "6574224" \| "6603850").PN. OR ("6731649"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 16:33 |
| S18 6 | 116 | ("5329527" \| "5425029" \| "5440551" \| "5450399" \| "5452296" \| "5526351" \| "5530842").PN. OR ("5623605").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 16:34 |
| S18 7 | 8 | ("5612959" \| "5623605" \| "5732071" \| "5764645" \| "5818842" \| "5822320" \| "5903559" \| "6014381").PN. OR ("6590896"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 16:36 |
| S18 8 | 14 | ("5383181" \| "5583862" \| "5623605" \| "5673263" \| "5687168" \| "5715250" \| "5724358" \| "5764645" \| "5903559" \| "5963555" \| "6009097").PN. OR ("6147999"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 16:40 |
| S18 9 | 153 | ATM near hub | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 16:41 |
| S19 0 | 101 | ATM adj hub | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 16:41 |
| S19 1 | 31 | (ATM adj hub and IP) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 17:03 |
| S19 2 | 266 | (ATM adj terminal and IP) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 16:44 |

| S19 3 | 55 | (ATM adj terminal same IP) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 16:51 |
|---|---|---|---|---|---|---|
| S19 4 | 2 | "6404765".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 16:51 |
| S19 5 | 0 | (IP adj hub) and encapsulation | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 16:56 |
| S19 6 | 6 | (IP adj hub) and encapsulat$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 16:56 |
| S19 7 | 34 | (packet adj hub) and encapsulat$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 16:59 |
| S19 8 | 132 | (IP near5 hub) and encapsulat$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 17:03 |
| S19 9 | 0 | (IP-hub) and encapsulat$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 16:59 |
| S20 0 | 0 | (AAL2 adj hub and IP) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 17:03 |
| S20 1 | 79 | (AAL2 same IP) and encapsulat$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 17:09 |

| S20 2 | 75 | AAL2 same terminal | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 17:12 |
|---|---|---|---|---|---|---|
| S20 3 | 2 | ("9824263") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 17:14 |
| S20 4 | 3 | "6563827".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 17:14 |
| S20 5 | 14 | ("4720850" \| "5701302" \| "5774469" \| "5802051" \| "6021136" \| "6028861" \| "6032272" \| "6148001" \| "6341131").PN. OR ("6563827").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 17:14 |
| S20 6 | 423 | RTP same encapsulat$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 18:03 |
| S20 7 | 55 | RTP same encapsulat$5 and pointer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 17:57 |
| S20 8 | 1 | ("6728261").URPN. | USPAT | OR | ON | 2005/07/05 17:58 |
| S20 9 | 11 | ("20020078151" \| "5774668" \| "6041054" \| "6266343" \| "6330239" \| "6366961" \| "6385195" \| "6396840" \| "6430394" \| "6522667" \| "6650619").PN. OR ("6801542"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 18:01 |
| S21 0 | 4 | RTP same encapsulat$5 same (SDH or SONET) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 18:04 |
| S21 1 | 107 | IP same encapsulat$5 same (SDH or SONET) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 18:04 |

| | | | | | | |
|---|---|---|---|---|---|---|
| S21 2 | 20 | IP same encapsulat$5 same (SDH or SONET) and hub | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 18:05 |
| S21 3 | 30 | ATM same encapsulat$5 same (SDH or SONET) and hub | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 18:06 |
| S21 4 | 0 | AAL2 same encapsulat$5 same (SDH or SONET) and hub | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 18:06 |
| S21 5 | 0 | AAL same encapsulat$5 same (SDH or SONET) and hub | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 18:07 |
| S21 6 | 0 | AAL same encapsulat$5 same (SDH or SONET) and hub | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 18:07 |
| S21 7 | 4 | AAL and encapsulat$5 same (SDH or SONET) and hub | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 18:07 |
| S21 8 | 12 | pointer and encapsulat$5 same (SDH or SONET) and hub | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 18:13 |
| S21 9 | 35 | ("4644533" \| "4872157" \| "4933937" \| "5040170" \| "5062105" \| "5103447" \| "5136584" \| "5220562" \| "5241543" \| "5307345" \| "5414704" \| "5490252" \| "5526315" \| "5548578" \| "5568486" \| "5594732" \| "5636215" \| "5671224" \| "5832236").PN. OR ("6122281").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 18:10 |
| S22 0 | 19 | pointer and encapsulat$5 same (SDH or SONET or STS) and hub | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 18:15 |

| S221 | 166 | ATM and pointer and encapsulat$5 and (SDH or SONET or STS) and hub | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 18:34 |
|---|---|---|---|---|---|---|
| S222 | 105 | pointer and encapsulat$5 same (SDH or SONET or STS)and IP | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 18:16 |
| S223 | 55 | S222 and (@ad<"20010328" or @rlad<"19980930") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 18:23 |
| S224 | 103 | S221 and (@ad<"20010328" or @rlad<"19980930") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 10:29 |
| S225 | 35 | ("4644533" \| "4872157" \| "4933937" \| "5040170" \| "5062105" \| "5103447" \| "5136584" \| "5220562" \| "5241543" \| "5307345" \| "5414704" \| "5490252" \| "5526315" \| "5548578" \| "5568486" \| "5594732" \| "5636215" \| "5671224" \| "5832236").PN. OR ("6122281").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 18:26 |
| S226 | 20 | ("5247518" \| "5485455" \| "5491694" \| "5521910" \| "5581566" \| "5850387" \| "5857092" \| "5917815" \| "5987026" \| "6014708" \| "6041055" \| "6058119" \| "6122281" \| "6188701" \| "6222848").PN. OR ("6496519"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 18:28 |
| S227 | 40 | (ATM and pointer and encapsulat$5 and (SDH or SONET or STS) and (IP adj (hub or bridge or switch))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 18:36 |
| S228 | 36 | S227 and (@ad<"20010328" or @rlad<"19980930") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 18:39 |

| | | | | | | |
|---|---|---|---|---|---|---|
| S22 9 | 3 | (AAL$3 and pointer and encapsulat$5 and (SDH or SONET or STS) and (IP adj (hub or bridge or switch))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 18:37 |
| S23 0 | 3 | (AAL$2 and pointer and encapsulat$5 and (SDH or SONET or STS) and (IP adj (hub or bridge or switch))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 18:37 |
| S23 1 | 2 | (AAL and pointer and encapsulat$5 and (SDH or SONET or STS) and (IP adj (hub or bridge or switch))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 18:37 |
| S23 2 | 5 | (AAL and pointer and encapsulat$5 and (SDH or SONET or STS) and (IP near (hub or bridge or switch))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 18:40 |
| S23 3 | 6966 | ATM and IP and (STS or SONET OR SDH) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 18:38 |
| S23 4 | 1718 | ATM SAME IP SAME (STS or SONET OR SDH) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 18:39 |
| S23 5 | 18 | S234 SAME POINTER | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 18:39 |
| S23 6 | 606 | S167 AND S234 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 18:39 |

| | | | | | | |
|---|---|---|---|---|---|---|
| S23 7 | 339 | S236 and (@ad<"20010328" or @rlad<"19980930") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 17:33 |
| S23 8 | 311 | S237 AND (hub or bridge or switch) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 18:48 |
| S23 9 | 1551 | 370/466.CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 18:49 |
| S24 0 | 59 | S234 AND S239 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/05 18:49 |
| S24 1 | 14 | ("5383181" \| "5583862" \| "5623605" \| "5673263" \| "5687168" \| "5715250" \| "5724358" \| "5764645" \| "5903559" \| "5963555" \| "6009097").PN. OR ("6147999"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 18:54 |
| S24 2 | 52 | ("5425026" \| "5440547" \| "5453980" \| "5491693" \| "5544162").PN. OR ("5673263"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/05 18:56 |
| S24 3 | 11 | "circuit emulation over packet" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 09:44 |
| S24 4 | 7 | ("5021880" \| "5742765" \| "5933426" \| "6058119" \| "6075788" \| "6188692" \| "6240087").PN. OR ("6831932").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/06 09:46 |
| S24 5 | 58 | ("5239544" \| "5384774" \| "5568486" \| "5640399").PN. OR ("5742765").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/06 09:51 |
| S24 6 | 31 | ("5375121" \| "5414707" \| "5600650" \| "5717690" \| "5781320" \| "5835036" \| "5835602").PN. OR ("6075788").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/06 10:10 |

| S247 | 10 | (virtual$4 adj concatenat$4) and hub | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/06 10:11 |
|---|---|---|---|---|---|---|
| S248 | 4802 | AAL$4 same IP | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/06 10:30 |
| S249 | 453 | S248 and (@ad<"20010328" or @rlad<"19980930") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 10:51 |
| S250 | 95 | S249 and hub | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 10:30 |
| S251 | 113 | AAL$4 same IP same hub | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/06 10:32 |
| S252 | 10 | S251 and (@ad<"20010328" or @rlad<"19980930") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 10:32 |
| S253 | 845 | AAL$4 same hub | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/06 10:32 |
| S254 | 40 | S253 and (@ad<"20010328" or @rlad<"19980930") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 13:49 |
| S255 | 2 | "6404765".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 10:45 |
| S256 | 162963 | "Common Part Sublayer" or "CPS" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 10:46 |

| | | | | | | |
|---|---|---|---|---|---|---|
| S25 7 | 871 | ("Common Part Sublayer" or "CPS") same ATM | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 10:46 |
| S25 8 | 96 | ("Common Part Sublayer" or "CPS") same ATM and hub | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 10:51 |
| S25 9 | 48 | S258 and (@ad<"20010328" or @rlad<"19980930") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 10:51 |
| S26 0 | 909 | 370/395.1.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 10:51 |
| S26 1 | 641 | S260 and (@ad<"20010328" or @rlad<"19980930") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 10:52 |
| S26 2 | 59 | ("Common Part Sublayer" or "CPS") same ATM same IP | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 10:55 |
| S26 3 | 16 | S262 and (@ad<"20010328" or @rlad<"19980930") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 11:27 |
| S26 4 | 197160 | ("Common Part Sublayer" or "CPS" or AAL$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 10:55 |

| S265 | 202 | S261 and S264 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 11:26 |
|---|---|---|---|---|---|---|
| S266 | 62 | "VTOA" SAME "IP" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 11:32 |
| S267 | 30 | S266 and (@ad<"20010328" or @rlad<"19980930") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 14:36 |
| S268 | 144 | "VTOA" AND "IP" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 11:32 |
| S269 | 88 | S268 and (@ad<"20010328" or @rlad<"19980930") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 11:39 |
| S271 | 64 | 370/325.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 11:40 |
| S272 | 0 | S270 and S271 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 11:40 |
| S273 | 0 | allen-jr.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 11:43 |

| S274 | 69585 | rogers.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 11:43 |
|---|---|---|---|---|---|---|
| S275 | 2 | "5623605".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 13:30 |
| S276 | 98 | ("6124878" "5674003" "5841976" "6163536" "6195355" "5307413" "5530693" "5764756" "5835725" "5907610" "5909550" "5987022" "5991291" "6014687" "6046999" "6061820" "6061820" "6065062" "6078583" "6131117" "6130890" "6137792" "6157965" "6167450" "6167513" "6170057" "6170075" "6188677" "6246696" "4893307" "5021949" "5191326" "5289468" "5309437" "5412654" "5425023" "5434863" "5442633" "5444709" "5477531" "5491820" "5519858" "5548729" "5553083" "5572533" "5583859" "5583920" "5594732" "5596574" "5636216").pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 13:39 |
| S277 | 101 | ("5666352" "5692124" "5699361" "5712903" "5727002" "5732074" "5742597" "5764894" "5781534" "5799016" "5802285" "5802106" "5805818" "5805981" "5815516" "5818838" "5822319" "5822535" "5825891" "5841764" "5872847" "5875176" "5881241" "5883891" "5894479" "5894557" "5898668" "5898713" "5918022" "5923659" "5926468" "5926458" "5930259" "5930255" "5935245" "5936539" "5940390" "5943329" "5946315" "5953350" "5951645" "5956651" "5956038" "5960012" "5964841" "5966427" "5970059" "5982780" "5983275" "5987518").pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 13:42 |

| S278 | 99 | ("5987524" "5991302" "5991308" "5999530" "6002930" "6003032" "6009088" "6014383" "6018530" "6023581" "6026086" "6026095" "6028862" "6032025" "6032193" "6032197" "6032259" "6035020" "6038216" "6038597" "6041356" "6046980" "6047194" "6049539" "6049825" "6058169" "6061346" "6073180" "6084892" "6084879" "6092196" "6091733" "6091710" "6094525" "6097935" "6097719" "6097697" "6101542" "6101180" "6105086" "6104713" "6108329" "6112323" "6111866" "6115776" "6115751" "6115749" "6115392" "6115357" "6118771").pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 13:48 |
|------|------|------|------|------|------|------|
| S279 | 5778 | IP same pointer | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 13:49 |
| S280 | 787 | (IP same pointer) and hub | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 13:49 |
| S281 | 123 | (IP same pointer) and hub and atm | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 13:49 |
| S282 | 58 | S281 and (@ad<"20010328" or @rlad<"19980930") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 13:52 |
| S283 | 3 | hub same IP same AAL2 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 14:08 |
| S284 | 2 | "6728261".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 14:28 |

| S28 5 | 1 | ("6728261").URPN. | USPAT | OR | ON | 2005/07/06 14:29 |
|---|---|---|---|---|---|---|
| S28 6 | 24 | yang.in. and (VOIP$2 OR (VOICE WITH INTERNET$1)) | USPAT | OR | ON | 2005/07/06 14:31 |
| S28 7 | 118 | yang.in. and (VOIP$2 OR (VOICE WITH INTERNET$1)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 14:31 |
| S28 8 | 16 | yang.in. and (VOIP$2 OR (VOICE WITH INTERNET$1)) AND (ATM OR (ASYNCHRONOUS ADJ1 TRANSFER ADJ1 MODE$1) OR AAL$2) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 14:35 |
| S28 9 | 3347 | (VOIP$2 OR (VOICE WITH INTERNET$1)) AND (ATM OR (ASYNCHRONOUS ADJ1 TRANSFER ADJ1 MODE$1) OR AAL$2) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 14:48 |
| S29 0 | 1525 | S289 and (@ad<"20010328" or @rlad<"19980930") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 15:10 |
| S29 1 | 85873 | "370"/$$$.CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 14:36 |
| S29 2 | 839 | S290 AND S291 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 14:43 |
| S29 3 | 224 | S290 AND S291 AND HUB | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 14:46 |
| S29 4 | 5722705 | (atm OVER ip) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 14:47 |

| | | | | | | |
|---|---|---|---|---|---|---|
| S29<br>5 | 10 | (atm adj1 OVER adj1 ip) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/06 14:47 |
| S29<br>6 | 307479 | ((ATM OR (ASYNCHRONOUS ADJ1<br>TRANSFER ADJ1 MODE$1) OR<br>AAL$2) NEAR (IP)OR (INTERNET)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/06 14:52 |
| S29<br>7 | 3 | ATMOIP | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/06 15:05 |
| S29<br>8 | 28713 | (ATM OR (ASYNCHRONOUS ADJ1<br>TRANSFER ADJ1 MODE$1) OR<br>AAL$2)AND (RTP OR UDP OR IP) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/06 15:07 |
| S29<br>9 | 22592 | ((ATM OR (ASYNCHRONOUS ADJ1<br>TRANSFER ADJ1 MODE$1) OR<br>AAL$2)AND (OVER) AND (IP OR<br>INTERNET ADJ PROTOCOL)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/06 15:08 |
| S30<br>0 | 4931 | ((ATM OR (ASYNCHRONOUS ADJ1<br>TRANSFER ADJ1 MODE$1) OR<br>AAL$2)SAME (OVER) SAME (IP OR<br>INTERNET ADJ PROTOCOL)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/06 15:08 |
| S30<br>2 | 0 | "AAL2 OVER IP" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/06 15:09 |
| S30<br>3 | 1 | AAL2 NEAR OVER NEAR IP | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/06 15:10 |
| S30<br>4 | 4973047 | AAL2 NEAR$4 OVER NEAR$4 IP | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/06 15:10 |

| S30 5 | 113 | AAL2 SAME OVER SAME IP | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 15:18 |
|---|---|---|---|---|---|---|
| S30 6 | 32 | S305 and (@ad<"20010328" or @rlad<"19980930") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 15:19 |
| S30 7 | 32 | ("5293379" \| "5440551" \| "5673263" \| "5742599" \| "5822321").PN. OR ("6041054"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/06 15:14 |
| S30 8 | 347 | AAL$5 SAME OVER SAME IP | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 15:18 |
| S30 9 | 185 | S308 and (@ad<"20010328" or @rlad<"19980930") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 15:19 |
| S31 0 | 0 | S309 NOT S308 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 15:19 |
| S31 1 | 11 | ("20020078151" \| "5774668" \| "6041054" \| "6266343" \| "6330239" \| "6366961" \| "6385195" \| "6396840" \| "6430394" \| "6522667" \| "6650619").PN. OR ("6801542"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/06 15:22 |
| S31 2 | 32 | ("5293379" \| "5440551" \| "5673263" \| "5742599" \| "5822321").PN. OR ("6041054"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/06 17:32 |
| S31 3 | 214 | (ATM) same (RTP or UDPor IP).ab. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/06 17:33 |
| S31 4 | 215 | (ATM) same (RTP or UDP or IP).ab. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/06 17:33 |

| | | | | | | |
|---|---|---|---|---|---|---|
| S31 5 | 138 | S314 and (@ad<"20010328" or @rlad<"19980930") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 18:25 |
| S31 6 | 13 | ("5623605" \| "5802050" \| "5812552" \| "6147999" \| "6188689" \| "6222839" \| "6381244" \| "6385193").PN. OR ("6522667"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/06 17:40 |
| S31 7 | 2 | "6574223".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 17:57 |
| S31 8 | 2 | "6556573".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 17:58 |
| S31 9 | 2 | "6266343".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 18:00 |
| S32 0 | 2 | "5570362".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 18:00 |
| S32 1 | 2 | "6519261".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 18:01 |
| S32 2 | 2 | "6434151".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 18:01 |
| S32 3 | 7 | ("6169738" \| "6266343").PN. OR ("6434151").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/06 18:03 |

| S32 4 | 1 | "5946313".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/06 18:03 |
|---|---|---|---|---|---|---|
| S32 5 | 0 | "548646".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/06 18:04 |
| S32 6 | 1 | "5548646".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/06 18:04 |
| S32 7 | . 1 | "5936965".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/06 18:19 |
| S32 8 | 1 | "6712991".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/06 18:19 |
| S32 9 | 1 | "6172991".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/06 18:19 |
| S33 0 | 21 | ("5425026" \| "5600643" \| "5884025").PN. OR ("6172991"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/06 18:25 |
| S33 1 | 3464 | 370/401.ccls. | US-PGPUB; USPAT; USOCR · | OR | ON | 2005/07/06 18:25 |
| S33 2 | 138 | S315 and (@ad<"20010328" or @rlad<"19980930") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 18:25 |
| S33 3 | 2093 | S331 and (@ad<"20010328" or @rlad<"19980930") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 18:25 |
| S33 4 | 610 | S333 and (ATM or Asynchronous adj1 Transfer adj1 Mode or AAL)and (IP) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 18:27 |
| S33 5 | 392 | S333 and ((ATM or Asynchronous adj1 Transfer adj1 Mode or AAL)same (IP)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 18:55 |

| | | | | | | |
|---|---|---|---|---|---|---|
| S33 6 | 2 | "5623605".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 18:56 |
| S33 7 | 1 | "5623605".pn. and lan | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 19:07 |
| S33 8 | 15 | 370/420.ccls. and (IP with ATM) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 19:09 |
| S33 9 | 20 | 370/420.ccls. and (IP same ATM) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/06 19:12 |